

- 2 -

Simms

Appl. No. 09/058,350

~~23~~ 23. An RNA extraction reagent according to claim ~~22~~, wherein said chelator is selected from the group consisting of sodium citrate, EDTA, EGTA, tergitols, phthalic acids, 2,4-pentanediones, histidines, histidinol dihydrochlorides, and salts of salicylic acids.

~~24~~ 24. An RNA extraction reagent according to claim ~~23~~, further comprising at least one phenol stabilizer selected from the group consisting of hydroxyquinoline, 8-hydroxyquinoline, 8-hydroxyquinoline citrate, 2,5,7,8-tetramethyl-2-(4',8',12'-trimethyltridecyl)-6-chromanol, *p*-hydroxyquinone, *o*-hydroxyquinone, citric acid, salicylic acid, ascorbic acid, *p*-phenylenediamine and *n*-propylgallate.

~~25~~ 25. An RNA extraction reagent according to claim ~~24~~, further comprising sodium citrate at a concentration of 0.02 - 0.25 M.

~~26~~ 26. An RNA extraction reagent according to claim ~~25~~, further comprising at least one phenol stabilizer at a concentration of 0.05 - 0.2% (wgt/vol), said phenol stabilizer selected from the group consisting of hydroxyquinoline, 8-hydroxyquinoline, 8-hydroxyquinoline citrate, 2,5,7,8-tetramethyl-2-(4',8',12'-trimethyltridecyl)-6-chromanol, *p*-hydroxyquinone, *o*-hydroxyquinone, citric acid, salicylic acid, ascorbic acid, *p*-phenylenediamine and *n*-propylgallate.

~~27~~ 27. An RNA extraction reagent according to claim ~~26~~, further comprising 8-hydroxyquinoline at a concentration of 0.05 - 0.2% (wgt/vol).

~~28~~ 28. An RNA extraction reagent according to claim ~~27~~, further comprising 8-hydroxyquinoline at a concentration of 0.05 - 0.2% (wgt/vol).

~~29~~ 29. An RNA extraction reagent according to claim ~~28~~, further comprising at least one chelator at a concentration of 0.02 - 0.25 M, said chelator selected from the group consisting of sodium citrate, citric acid, EDTA, EGTA, salicylic acids, salts of salicylic acids, tergitols,